GREEN SAFETY NETWORK *Sustainable Learning Streets*

MT. BAKER LIGHTRAIL NEIGHBORHOOD : STAYING IN PLACE : WINTER 2018

Solar Powered Bollards

Allows for safe, and illuminated path to emergency hubs in the case of a power outage.

Provides lesson opportunity about alternative forms of energy.

Low-Height, Sensory Driven Plants.

No risk of falling tress in the case of an earthquake, and less risk for root damage.

Lower plants are more tailored to the scale of children, sensory plants (strong smells, edible, colorful) allows for exploration

Street Creek

Allows access to minimally polluted storm water run off.

Children frequently express their desire to play with water.

8' Wide Sidewalk - ease for classes to comfortably travel on.

"Street Creek" - accesible for children to interact with

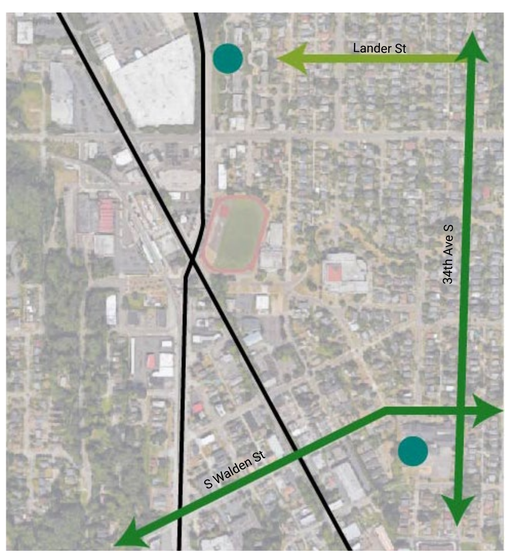
8' Bioswale - support "Street Creek" system and to define boundaires for on street parking/flex space. Acts as buffer between pedestiran and street.

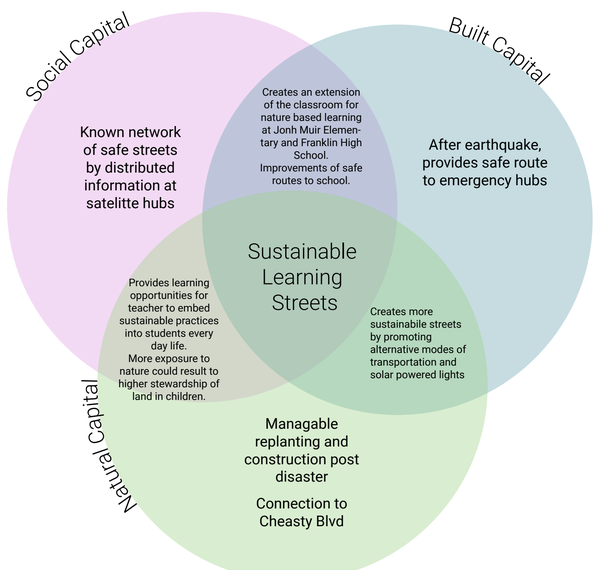
18' Travel Lane (2 Way)

8' Bike Lane - supporting a quick, and reliable form of transit. Lined with solar powered bollard

Garden Buffer

Proposed Locations



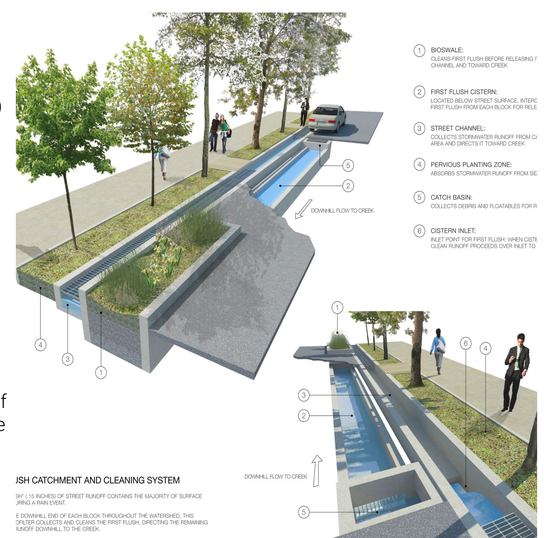


Street Creek, Atema Architecture, NYC

Street Creeks keeps urban waterways clean by preventing combined sewage overflows (CSOs.)

Street Creeks does this by keeping storm water out of combined sewer systems so they don't get overloaded.

The principle behind Street Creeks is to emulate natural hydrological and ecological systems in urban environments, using a distributed, de-centralized network of curbside channels and water-cleaning bioswales that treat the "first flush" of polluted surface runoff, and allow the remaining cleaner water to rainfall continue downhill.



Bartosh, Lange, Vetrano